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PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

INTERNATIONAL SEARCHING AUTE	IORITY				
To: VETCO AIBEL AS Forskargrånd 8, B 194 72226 Västerås Sweden		PCT WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1)			
	1.		(1 O1 Nute 13015.1)		
		Date of mailing (day/month/year)	2 0 -09- 2005		
Applicant's or agent's file reference B2004001WO		FOR FURTHER AC	CTION See paragraph 2 below		
	International filing date	(day/month/year)	Priority date (day/month/year)		
	22.03.2005	(22.03.2004		
International Patent Classification (IPC) or		ation and IPC			
G01L 5/04, B63B 27/30					
Applicant VETCO AIBEL AS et al					
1 774					
1. This opinion contains indications relati	Ť	ns:			
Box No. I Basis of the opin	ion				
Box No. II Priority					
Box No. III Non-establishme	nt of opinion with regar	d to novelty, inventive	step and industrial applicability		
Box No. IV Lack of unity of i	invention				
Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
Box No. VI Certain documents cited					
Box No. VII Certain defects in the international application					
Box No. VIII Certain observations on the international application					
2. FURTHER ACTION					
International Preliminary Examining A	Authority ("IPEA") except A and the choson IPEA	pt that this does not an has notified the Intern	considered to be a written opinion of the oply where the applicant chooses an national Bureau under Rule 66.1 bis(b) that		
	ppropriate, with amendr	ments, before the expi	the applicant is invited to submit to the ration of 3 months from the date of mailing whichever expires later.		
For further opinions, see Form PCT/IS	-	····· we privately come t	raceware 19th 1915 grad the associal		
3. For further details, see notes to Form P	*CT/ISA/220.				
N		Anthorized addam			
Name and mailing address of the ISA/SB Patent- och registreringsverket	,	Authorized officer			
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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

PCT/IB2005/000737

International application No.

Box No. I	Basis of this opinion
	and to the language, this opinion has been established on the basis of: e international application in the language in which it was filed translation of the international application into, which is the language of a translation furnished for the uposes of international search (Rules 12.3(a) and 23.1(b)).
claimed i	and to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the evention, this opinion has been established on the basis of: f material a sequence listing table(s) related to the sequence listing
b. format	of material on paper in electronic form
c. time o	f filing/furnishing contained in the international application as filed. filed together with the international application in electronic form. furnished subsequently to this Authority for the purposes of search.
3.	In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filled or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filled or does not go beyond the application as filled, as appropriate, were furnished.
4. Additions	d comments:
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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/IB2005/000737

Statement	- wan exbini	nations supporting such statement	
Novelty (N)	Claims	1-20	YES
	Claims		NO
Inventive step (IS)	Claims	1-20	YES
	Claims		МО
Industrial applicability (IA)	Claims	1-20	YES
	Claims		NO

Reasoned statement under Rule 43bis.1(a)(I) with regard to novelty, inventive step or industrial

2. Citations and explanations:

Box No. V

Documents cited in the International Search Report:

D1: US 4174628 D2: US 3722268 D3: GB 1241776 D4: US 3810081

The cited documents represent the general state of the art.

The invention defined in claims 1- 20 is not disclosed by any of these documents.

The cited prior art does not give any indication that would lead a person skilled in the art to the claimed method of monitoring and/or controlling a load on a slender, tensioned elongated element extending from a subsea wellhead element to a surface vessel where the bending moment and/or declination of the tensioned elongated element is estimated from measurements of the structural behaviour of the wellhead element or to the claimed device for monitoring and/or controlling a load on a slender, tensioned elongated element extending from a subsea wellhead element to a surface vessel having means for estimating the bending moment and/or declination of the tensioned elongated element upon measurements from means measuring the structural behaviour of the wellhead element. Therefore, the claimed invention is not obvious to a person skilled in the art.

Accordingly, the invention defined in claims 1- 20 is novel and is considered to involve an inventive step. The invention is industrially applicable.